Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of processing data traffic in transit in a mobile telecommunication network, comprising:

filtering a packet of data to determine [[for]] an application associated therewith for processing the packet; and

applying a service marking to the packet dependent on the application associated with the packet.

2. (Currently Amended) The method according to claim 1, wherein filtering a packet of data [[for]] to determine an application associated therewith further comprises reading a port from the packet and determining the application from the read port.

3. (Previously Presented) The method according to claim 2, wherein determining the application from the read port further comprises:

interrogating a table with the read port, the table including an index of at least one port, each of the at least one port comprises a key of the table, a record having a service marking respectively associated with each of the keys;

determining the read port has a match with a first one of the keys of the table; and

returning the service marking included in the record associated with the first one of the keys.

4. (Previously Presented) The method according to claim 3, further comprising writing the service marking included in the record associated with the first one of the keys into a field of the packet.

5. (Original) The method according to claim 3, wherein the service marking in the record is a differentiated service codepoint.

6. (Currently Amended) A node of a mobile telecommunication network operable to deliver at least one packet to a mobile device serviced by the mobile telecommunication network, comprising:

an interface to at least one other network node; and

a table comprising an index including at least one key, each key having a record associated therewith, each record having a service marking therein, the node operable to interrogate the table with an

identification of an application <u>for processing the packet</u> obtained from the packet, the service marking returned to the node upon a match between the identification and one of the keys.

7. (Original) The node according to claim 6, wherein the node is an access router that interfaces the mobile telecommunication network with an external network.

8. (Original) The node according to claim 6, wherein the node writes the returned service marking into a field of the packet.

9. (Original) The node according to claim 8, wherein the field is a differentiated services field of a transport layer header encapsulated in the packet.

10. (Currently Amended) The node according to claim [[5]] <u>6</u>, wherein the service marking is a differentiated services codepoint.

11. (Currently Amended) The node according to claim [[5]] <u>6</u>, wherein the node is a general packet radio services support node.

12. (Currently Amended) A mobile telecommunication network operable to provide data services to a mobile terminal serviced thereby, the mobile telecommunications network comprising:

a first service node including a table comprising one or more keys and at least one record associated with each of the one or more keys having a value indicative of an application <u>for processing packets</u>, each of the one or more records having a service marking stored therein;

a base station subsystem operable to transmit data to the first service node and receive data from the first service node; and

at least one base transceiver station operable to provide radio frequency links to the mobile terminal, the first service node operable to receive a first packet and determine an application associated therewith <u>for processing the first packet</u>, the first service node operable to interrogate the table with a query value indicative of the <u>associated</u> application, a service marking being returned upon matching the query value with a first key value, the service marking maintained in a record associated with the first key value, the <u>first service</u> node operable to write the service marking into a field of the <u>first</u> packet, the <u>first service</u> node operable to transmit the <u>first</u> packet across the telecommunication network.

13. (Original) The telecommunication network according to claim 12, wherein each value of the one or more keys is a port number.

14. (Original) The telecommunication network according to claim 12, wherein each service marking is a differentiated services codepoint.

15. (Currently Amended) The telecommunication network according to claim 12, wherein the first service node further comprises a memory bank, a central processing unit, and a filter, a port number field of [[the]] a packet read by the filter, the value of the port number read used by the first service node to interrogate the table index.

16. (Currently Amended) The telecommunication network according to claim 12, wherein the first service node further comprises a processing card, the processing card including a memory module and a processing unit, a filter maintained in the memory module and executable by the processing unit, the filter operable to analyze the first packet and determine the value indicative of the associated application.